L8 ANSWER 1 OF 1 CA COPYRIGHT 2009 ACS on STN
AN 95:47881 CA
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TI A research development on the utilization of coal ash as a raw material of cement. Part I. An experimental manufacture of high ($3CaO·Al_2O_3$) cement by burning in electric furnaces
AU Okuda, Tohru; Ishihara, Yoshimi; Tanaka, Hirobumi; Uchida, Kiyohiko
CS Denryoku Chuo Kenkyusho, Japan
SO Denryoku Chuo Kenkyusho Hokoku (1980), 380024, 41 pp.
CODEN: DCKHDL
DT Journal
LA Japanese
CC 58-1 (Cement and Concrete Products)
AB High-C3A [12042-78-3] cement was prepared from mixts. containing coal ash from thermal power stations and limestone (389:1107 kg, resp., for the production of 1 ton of clinker) at 1350-1450°. The properties of the cement with a surface area 5000 cm^2/g and gypsum [13397-24-5] content 6-7% were similar to, or higher than, those of com. normal portland cement.
ST coal ash cement
IT Coal
RL: USES (Uses)
(ashes from, cement from limestone and)
IT Limestone, uses and miscellaneous
RL: USES (Uses)
(cement from coal ash and)
IT Cement
(from ashes and limestone)
IT Ashes (residues)
(coal, cement from limestone and)
IT 12042-78-3
RL: USES (Uses)
(cement high in, containing coal ashes and limestone)
IT 13397-24-5, uses and miscellaneous
RL: USES (Uses)
(in cement, with high calcium aluminate content, properties in relation to)